AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions of claims in the application:

Listing of Claims:

1.   (Currently amended) A system that facilitates ~~generation of code and/or documents~~ <u>finding documentation</u>, comprising:

a ~~discovery~~ <u>query</u> component that receives ~~data relating to~~ a request for ~~at least one of a desired functionality of the programming code and one or more desired documents~~ <u>technical documentation, the request comprising terminology of a first vocabulary corresponding to a first programming language</u>;

a mapping component that correlates ~~parsed subsets of the data to specific functional objects, the functional objects represent vocabulary and terminology modeled or learned from at least one user's past patterns when searching for or seeking information~~ <u>terminology of the first vocabulary to semantically equivalent terminology of a second vocabulary related to a second programming language</u>; and

a ~~generator~~ <u>discovery component</u> that ~~employs~~ <u>retrieves</u> ~~the functional objects to form at least one of the desired functionality of the programming code and the documents~~ <u>technical documentation based upon the terminology of the second vocabulary that is semantically equivalent to the terminology of the first vocabulary employed in the request</u>.

2.   (Currently amended) The system of claim 1, the ~~discovery~~ <u>query</u> component receives user input as a request for information, the request including at least one of text input, voice encoded input, video camera input, and audio input.

3.   (Previously presented) The system of claim 2, the request for information is in the form of a natural language or syntax that is familiar to the user including terms and expressions that have been employed over time by the user.

4. (Currently amended) The system of claim 2, the user input is processed by a parser into functional ~~components~~ objects relating to information components that are processed to facilitate desired information retrieval.

5. (Cancelled)

6. (Currently amended) The system of claim 1, the ~~functional objects~~ mapping component ~~include~~ includes rules or models that map or analogize ~~one~~ a first set of terms with a ~~subsequent~~ second set of terms.

7. (Currently amended) The system of claim ~~1~~ 4, the functional ~~components~~ objects are employed by the mapping component to build or create search terms or queries that are can be applied to a remote or local database.

8. (Currently amended) The system of claim 1, the ~~functional objects include~~ mapping component further comprises at least one of a rule, a learning algorithm, an automated classification method, an inference model, a probability model, a statistical model, a neural network, a Support Vector Machine (SVM), a Naive Bayes model, a Bayes network, a decision tree, a similarity-based model, a vector-based model, and a Hidden Markov Model.

9. (Currently amended) The system of claim ~~1~~ 4, the functional objects are associated with a decision-theoretic analysis that includes analyzing extrinsic evidence or data of a user's present context state, and directing information in accordance with the data.

10. (Original) The system of claim 9, the evidence includes at least one of keyboard activities, mouse movements, microphone inputs, camera inputs, time information, and electronic calendar information.

11. (Currently amended) The system of claim 1, the ~~generator~~ discovery component includes at least one of an automated search engine, an indexing engine, and a structured query language engine for retrieving information from a database.

12.   (Currently amended) The system of claim 1, the mapping component further comprising at least one of a technical vocabulary object, a development vocabulary object, a synonym object, an index object, and a prioritization object to facilitate retrieval of information.

13.   (Currently amended) The system of claim 1, the discovery component further comprising an instrumentation component to determine an importance value for a ~~data item~~ retrieved technical document.

14.   (Original) The system of claim 13, the instrumentation component tracks and maps successful and unsuccessful attempts to discover and interpret technology-specific and programming-language-specific functionality employing a natural or professional language.

15.   (Original) The system of claim 13, further comprising a database for search attempts that indicates a technical value for selected technical information within a documentation set or other data structure residing in the database.

16.   (Original) The system of claim 13, the instrumentation component monitors at least one of visible technical documentation, search engine activity, ad network traffic activity.

17.   (Original) The system of claim 16, the instrumentation component monitors at least one of a counter, a type of word or phrase employed in a search, an implied or inferred measurement of data activity and an explicit request from users regarding a data source's technical value, ranking or merit.

18.   (Currently amended) The system of claim 17, further comprising a graphical user interface to determine a value for a ~~data item~~ technical document.

19.   (Currently amended) The system of claim 18, the user interface includes at least one of a ratings scale, a feedback component to allow users to determine what others thought of the ~~data item~~ technical document, and an input box to enable users to submit feedback as to why they ranked a particular ~~data item~~ technical document in the manner that was selected.

20.   (Currently amended) The system of claim 1, further comprising a graphical user interface to depict a cross reference of ~~developer terms with a subsequent set of mapped terms~~ terminology of the first vocabulary with terminology of the second vocabulary.

21.   (Currently amended) The system of claim 20, the cross reference includes at least one of a table of ~~developer terms~~ terminology of the first vocabulary displayed with a table of ~~mapped terms~~ terminology of the second vocabulary, a single table showing cross-functional relationships including arrows or other indicators depicting relationships between ~~terms~~ terminology, a modular or graphical output including a block diagram in ~~developer terms~~ terminology of the first vocabulary that highlights or points to a corresponding block diagram of ~~mapped terms~~ terminology of the second vocabulary, a system drawing to show one component's relationship to the system in ~~developer terms~~ terminology of the first vocabulary while also illustrating, fading, superimposing, or highlighting a related term on the system drawing to detail a relationship between ~~mapped terms or phrases~~ terminology of the second vocabulary, and contrast blocks or diagrams that are displayed detailing differences with conventional terminology or design practices.

22.   (Currently amended) A computer readable medium having computer readable instructions stored thereon for implementing the ~~discovery~~ query component, the mapping component, and the ~~generator~~ discovery component of claim 1.

23.   (Previously presented) A computer-based information retrieval system, comprising:

means for creating an object associated with developer terms or phrases learned from past user searching patterns;

means for correlating the object with alternative terms or phrases;

means for retrieving functional information equivalent to the developer terms and phrases in accordance with the alternative terms or phrases.

24.   (Previously presented) A method to facilitate automated information retrieval, comprising:

automatically generating a first object set as a function of monitored programmer behavior, the first object set associated with a primary development environment;

automatically comparing the first object set to a second object set associated with a different development environment; and

automatically searching for functionally equivalent information based at least in part on determined differences between the first object set and the second object set.

25.   (Cancelled)

26.   (Previously presented) The method of claim 24, further comprising:

receiving a developer's request for functionally equivalent information; and

processing the request.

27.   (Previously presented) The method of claim 26, further comprising automatically deriving the functionally equivalent information from the second object set.

28.   (Original) The method of claim 24, further comprising at least one of:

receiving feedback from a developer; and

generating a cross-index of familiar terms and unfamiliar terms to the developer.

29.   (Previously presented) The method of claim 24, the first object set further comprising at least one of a technical vocabulary object, a development vocabulary object, a synonym object, an index object, and a prioritization object.

30.   (Previously presented) The method of claim 24, further comprising automatically ranking the functionally equivalent information.

31.   (Cancelled)

32.   (Previously presented) A computer readable medium having a data structure stored thereon, the data structure comprising:

at least one object field indicating one or more developer terms derived from monitoring and learning user past activity;

at least one synonym field associated with a second set of developer terms; and

at least one mapping field to correlate the object field and the synonym field to facilitate retrieval of functionally equivalent information.

33.   (New) A computer implemented method for finding technical documentation, the method comprising:

receiving a first query string from a user, the query string comprising terminology of a first vocabulary corresponding to a first programming language;

mapping the first vocabulary to a second vocabulary that corresponds to a second programming language;

generating a second query string in terminology of the second vocabulary by employing the second vocabulary and the first query string, the second query string semantically corresponds to the first query string;

searching a document set for documentation relevant to the second query; and

providing documentation found by the search to the user

34.   (New) The method of claim 33, further comprising allowing users to interactively input relevancies of search results and utilizing the relevancies to perform further searches.